

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 July 2004 (29.07.2004)

PCT

(10) International Publication Number  
**WO 2004/063936 A1**

(51) International Patent Classification?: **G06F 15/16**

[US/US]; 1275 Wheatland Avenue, Lancaster, PA 17603 (US). **BARBIN, Robert, Lloyd** [US/US]; 2656 Riceville Drive, Henderson, NV 89052 (US).

(21) International Application Number:  
PCT/US2003/040372

(22) International Filing Date:  
18 December 2003 (18.12.2003)

(74) Agents: **TRIPOLI, Joseph, S.** et al.; c/o Thomson Licensing Inc., Two Independence Way, Suite 200, Princeton, NJ 08540 (US).

(25) Filing Language: English

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:  
60/437,815 3 January 2003 (03.01.2003) US

(71) Applicant (*for all designated States except US*): **THOMSON LICENSING S.A.** [FR/FR]; 46, Quai A. Le Gallo, F-92648 Boulogne (FR).

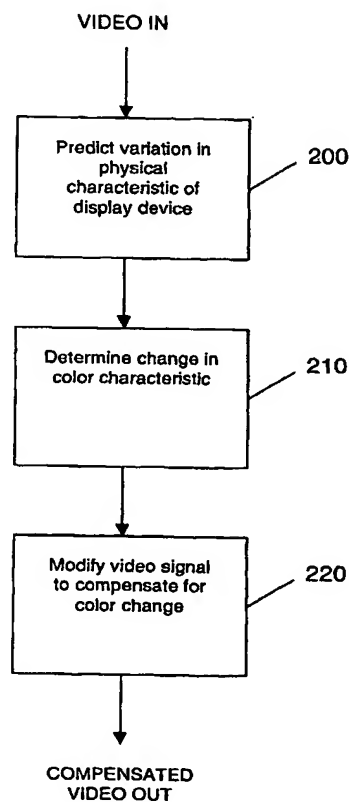
(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **GOROG, Istvan**

[Continued on next page]

(54) Title: SYSTEM FOR MAINTAINING WHITE UNIFORMITY IN A DISPLAYED VIDEO IMAGE BY PREDICTING AND COMPENSATING FOR DISPLAY REGISTER CHANGES



(57) Abstract: A system for correcting a color characteristic of an image displayed in response to a video signal involves processing the video signal for predicting a variation in a physical characteristic of a display device displaying the image, processing the video signal for determining a change in the color characteristic occurring in response to the variation in the physical characteristic, and modifying the video signal for compensating for the change in the color characteristic.